



Hammer ACE



Emergency Communications

Air Force Space

Command

Hammer ACE

Adaptive Communications

Element



51 CBCS/SCHA
Hammer ACE
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This Briefing Is:
UNCLASSIFIED



Overview

- Mission
- Benefits
- Recent Missions
- Capabilities
- Contact Information





Hammer ACE Mission

Overview

- **Hammer ACE provides initial quick reaction secure communications response capability**
- **Worldwide deployable in support of nuclear and aircraft mishaps events**
- **Domestic or terrorist chemical, biological, radiological, nuclear, and high yield explosive events**
- **Civil Support, consequence management actions: natural disaster/civil relief operations**
- **Other DoD and DHS Emergency Operations.**



Benefits

- **FREE- Hammer ACE funded emergency support**
- **Rapidly Mobile- deployable within 3 hrs**
- **Small Team Size- 3 personnel per team**
- **Flexible-“Your Office in the Field”**
- **Commercial Off-the-Shelf Equipment**
 - **Keep up with the Leading Edge of Technology**
- **Experience- Continuity from mishap to mishap**





Recent Missions

- **Sep 05, Hurricane Katrina, Keesler AFB, MS**
- **Sep 05, Hurricane Rita, San Antonio, TX**
- **Jan 06, NASA New Horizons Launch Support, Reunion Island**
- **Jan 06, Navy T-39 Mishap, Walker County, GA**
- **Jun 06, Joint/Combined NUWAX CAPEX '06, F.E. Warren AFB, WY**
- **Nov-Dec 06, NUWAX VIGILANT SHIELD '07, DM AFB, AZ**
- **Jan 07, ANG F-16 Mishap, Lone Pine, CA**
- **Mar 07, DICE '06, JTF-CS, Ft. Monroe, VA**
- **Jun 07, AF F-15 Mishap, Eielson AFB, AK**
- **Feb 08, Joint Task Force - Operation Burnt Frost, McGuire AFB, NJ**
- **Mar 08, DICE '08, JTF-CS, Ft. Monroe, VA**
- **Jun 08, ARDENT SENTRY '08, Ft Lewis, WA**
- **Aug 08, Hurricane Gustav, Keesler AFB, MS**
- **Apr 09, F-22 Mishap, Edwards AFB, CA**
- **Sep 09, NUWAIX '09 Nuclear Accident Ex, F.E. Warrens AFB, WY**
- **Sep 09, F-16 Mishap, Dugway Proving Grounds, Utah**
- **Feb 10, Navy MH-60S Mishap, Snowshoe Mountain, WV**
- **Jun 10, AFGSC RTF FTX, Malmstrom, MT**
- **Aug 10, VIBRANT RESPONSE 11.1, Fort Leavenworth, MO**
- **Jun 11, Navy T-45 Mishap, Alice, TX**



Field Capabilities

- **Secure Communications (all voice securable to TS)**
 - **SIPRNET access**
 - **Up Channel SITREPs**
 - **Coordinate recovery or relief operations**
 - **Coordinate safe removal of UXOs**
 - **Coordinate/assist removal of hazardous aircraft components**
 - **Discuss classified aircraft information**
 - **Prevent communications intercept/exploitation by unauthorized individuals or media agents**



Typical Field Capabilities cont'd

- **Non-Secure Communications**
 - **Arrange daily mission requirements**
 - **Coordinate manpower**
 - **Coordinate site life support**
 - **Request air support**
 - **Interview witnesses**
 - **Access remote LAN**
 - **Provide imagery documentation**
 - **Plot component location**



CAPABILITIES



**Satellite
Communications**

**Additional
Services**

**Intra-Site
Communications**

**Power
Options**



Satellite Communications

- **International Maritime Satellite (INMARSAT)**
 - Provides worldwide commercial telephone/data access
 - BGAN INMARSAT will support bandwidth from 64k to 492Kbps or up to 256 Kbps streaming
 - Available PSTN, ISDN, and LAN connections





Iridium

- **Immediate worldwide telephone access via hand-held unit**
- **Securable up to Top Secret**
- **Provides DSN access**





UHF/SHF Tactical Radio

- **Connect to Response Task Force DAMA networks**
- **Point to Point SATCOM capability for dedicated line**
- **Compatible with LMR intra-site network**
- **Provides ground-to-air LOS communications**





ACU 1000

- **Flexible interface for audio device**
- **Remote control capability**
- **Provides interoperability between all supporting agencies on site**





Intra-Site Communications

- **Land Mobile Radios**
 - **Securable, repeated network**
 - **Permanent CONUS frequency assignment**
- **Ground-to-Air**
 - **Compatible with all DoD fixed and rotary wing aircraft**
 - **Operable in man pack configuration**





Power Options

- **Batteries**
 - **Portable battery packs**
 - **Vehicle battery**
- **Solar Blankets**
- **Inverters**
- **Commercial power**





Additional Services

- **Still Image & Video Systems**
 - **Electronic image transmission capability**
 - **Digital Stills & Digital Video**
 - **VTC (securable up to TS) & bridgeable via DISA DVS network (DVS II IP network in Mar 07)**
- **GPS receiver (field mapping ability)**
- **Laptop computers—**
 - **NIPR**
 - **SIPR**
- **Printer, CD Burner & Scanner**
- **Intelligent Interconnect System (ACU-1000)**





Hammer ACE Contact Info

- During Duty Hours Contact Hammer ACE directly at DSN 472-5785, or commercial (478) 222-5785.
- Emergency Support & after duty hours: Contact Robins Command Post:
 - DSN 497-2612
 - Commercial (478) 327-2612
- Mailing Address: 51 CBCS/SCHA
(Hammer ACE)
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